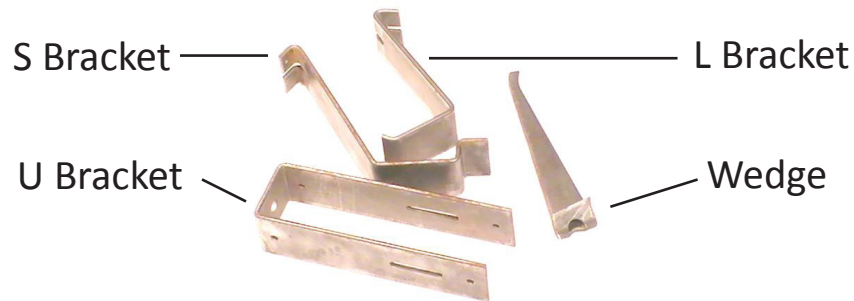




Bracing System Installation Instructions

Our bracing system is designed for both residential and commercial use.



Bracing is only needed on one side of the form and may be placed either on the interior or exterior of the panels.



Image 1: Bracing on Interior



Image 2: Bracing on Exterior



1. Set and hook four Perma Form panels together, making sure the interlocking fingers are hooked correctly. Hook an L Bracket three rows up from the bottom and two rows in from either side of the panel. An eyelet needs to be fit in the slot on the bracket. L Brackets also need to be respectively attached on the other three panels, providing a 4' horizontal spacing between sets of brackets.



2. Place a U Bracket on each of the L Brackets



3. Pulling each U Bracket so it is held tight into the short arm of the L brackets, insert your 2x4 so it lays flat on the long side of the L Bracket.



4. Hook an S Bracket on the fourth row from the bottom and two rows in from the side of the panel you hooked the L Bracket. Repeat on the other three panels.



5. Roll the 2x4 so that it is level and clip the S Brackets over the L Brackets, securing them in place.



6. Repeat steps 1-5, adding a horizontal between the second and third rows at the top of the wall. Refer to the following [table](#) to determine the number of horizontal walers to use for your wall height. Make sure the U brackets are vertically aligned when placing them. Insert a 2x4 vertically through the Brackets making sure the vertical 2x4 is sitting on the footing. Repeat for the three other vertical rows. Continue steps 1-5 as you set additional panels. Overlap horizontal 2x4 and place a screw in the joint or if placing the 2x4 end to end, screw a short 2x4 over the splice.

Wall Height	Horizontal Walers		Verticals Needed
	How Many to Use	Suggested Spacing	
2'-4'	1	At top	No
5'-6'	2	One at top, one at bottom	Yes
7'-8'	3	One top, one bottom, one middle evenly spaced	Yes
9'-12'	4	One top, one bottom, two middle evenly spaced	Yes
13'-16'	5	One top, one bottom, three middle evenly spaced	Yes

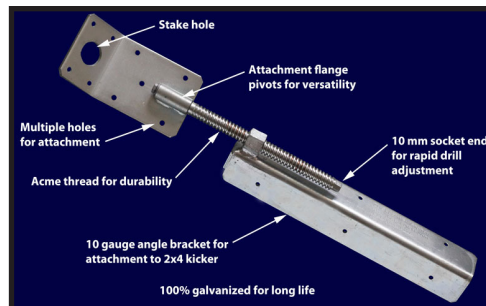


7. The U Bracket has a different sized slot on each side. Place a Wedge into the longer slot so that the point goes through the shorter slot. With a hammer, drive the wedge in tight. Do this with each U Bracket.



8. Attach an angle brace and anchor with a stake every 8-12' or as needed to straighten and secure the wall.

We recommend using [Zuckle™ Wall Aligner](#) aligning brackets for quick and simple adjustment for straightening the wall. Brackets are available for rent or purchase.



Commercial Bracing systems compatible with Perma Form:

[Giraffe Bracing™ system](#) by attaching the vertical channel to the Perma Form metal batten strips with screws.